

HQ-MR Series

Rack Modular UPS 20kVA-150kVA

- 19" rack-mounted
- 20/25KVA module
- Output PF=1



20KVA - 150KVA

Power Range

20kVA-150kVA

Way Of Working

Online double conversion

Application

Finance,telecommunication,education,hospitals, transportation&other network devices, data centers.

High power density ratio



2U height:20/25KVA

Performance Characteristics

Intelligent Flexibility

- Adjustable battery number: 30-44 units
- Easy installation,suitable for 19" cabinets
- Cold start function

High Reliability

- Self-load test function without loads
- Isolated air duct for key components
- Intelligent fan speed control
- Power module DSP 1+1 design

Green Performance

- Output PF=1
- ECO mode for energy saving
- Low THDi and high input PF
- High efficiency

Performance

Model	HQ-MR40/20	HQ-MR80/20	HQ-MR100/25	HQ-MR125/25	HQ-MR150/25
Rated Capacity	40kVA	80kVA	100kVA	125kVA	150kVA
Power Module Capacity	20kVA	20kVA	25kVA	25kVA	25kVA
Input					
Wiring Method	3 Phase+N+PE				
Rated Voltage	380/400/415VAC(line-line)				
Rated Frequency	50/60Hz				
Voltage Range	304VAC ~ 478VAC (line-line) full load; 304VAC ~ 228VAC (line-line) load derating linearly from 100% to 80%				
Frequency Range	40Hz~70Hz				
Power Factor	>0.99				
THDi	< 3% (linear full load) ; < 5% (non-linear full load)				
Bypass					
Rated Voltage	380/400/415VAC(line voltage)				
Voltage Range	Factory setting -20% ~ +15%; settable, upper limit:+10%,+15%,+20%,+25%; lower limit:-10%,-15%, -20%, -30%,-40%				
Frequency Range	Rated frequency 50/60Hz; frequency range can be set ±1Hz, ±3Hz, ±5Hz				
Overload Capacity	110% for long run ; >150% for 200ms				
Battery					
Battery Voltage	±192VDC (360 ~ 528VDC; 30 ~ 44 units settable, defaulted by 32 units)				
Charging Capacity	15%* total power capacity				
Voltage Accuracy	±1%				
Output					
Rated Voltage	380V/400V/415V(line-line)				
Rated Frequency	50/60Hz				
Power Factor	1				
Voltage Accuracy	≤±1.0%@ balanced load; ≤±5.0%@ unbalanced load				
Frequency Accuracy	50/60Hz±0.01%				
Frequency Tracking Range	Settable, ±0.5Hz~±5Hz ;±3Hz				
THDu	≤2%(100% linear load) , ≤4%(nonlinear load)				
Three-Phase Phase Accuracy	120°±1°				
Crest Factor	3:1				
Overload	< 105%, long run; < 110%, 60mins ; 110 ~ 125%, 10mins; > 125 ~ 150%, 1mins; > 150%, 200ms				
System					
System Efficiency	96%@ double conversion mode, ≥98%@ECO mode				
Display	LCD touch screen				
Wiring	Support bottom in				
Language	Chinese, English; optional: Russian,Italian, Spanish, German, etc.				
Protection Class	IP20				
Communication	RS232/RS485/SNMP card (optional) / dry contact (optional)				
Working Condition	Temperature: 0~40℃ ; humidity: 0~95%(no condensation)				
Noise	<60dB@1 meter				
Altitude	<1000 meters, derating, > 1000 meters, derating 1% if every 100 meters increased				
Cabinet Type	2 Modules	4 Modules	6 Modules		
Size					
System W x D x H (mm)	482.6 x 800 x 353.2(8U)	482.6 x 800 x 531(12U)		482.6 x 900 x 800(18U)	
Module W x D x H (mm)	440 x 690 x 86(2U)				
Weight					
System(kg)	37	47		72	
Module(kg)	25				

* Specifications are subject to change without prior notice.